Technical Description Natural Rubber Latex (Dark Green Products)

Description natural rubber latex compound:
The compound is based on 100% natural rubber with an inert filler. It contains no vulcanization ingredients such as ZnO or Sulforic-compounds. The filler contains no heavy metals and consist of pure washed and selected quartz-sand (SiO_2). The synthetic components are stabilizers, anti-oxidants and thickeners.

Compound composition (in % of the dry part):

Natural ingredients	:	97	%
Synthetic additives	:	3	%

Compound composition:

BIO Compound	% dry content	Components filler
Natural Rubber	21,61	**Type ALSIGRAN 8 (quartz sand)**
Inert filler	75,63	SiO_2 99,4% Silliciumdioxide
Ionogeen soapsystem / Emulgator (Talloil + Potassiumhydroxyde)	1,27	Al_2O_3 0,30% Aluminiumtrioxide
Ionogeen soapsystem / Emulgator (Talloil + Potassiumhydroxyde)	1,27	Fe_2O_3 0,30% Iron(III)oxide
Stabilizer/Disperser (tetrapotassium Pyrophosphate)	0,65	
Hydroxide salt	0,08	
Anti-oxydant	0,43	
Cellulose/acrylaat thickener	0,33	
Total	100	

Ammonia content of the wet compound: ±510 ppm.

Only REACH Certified raw materials are used.

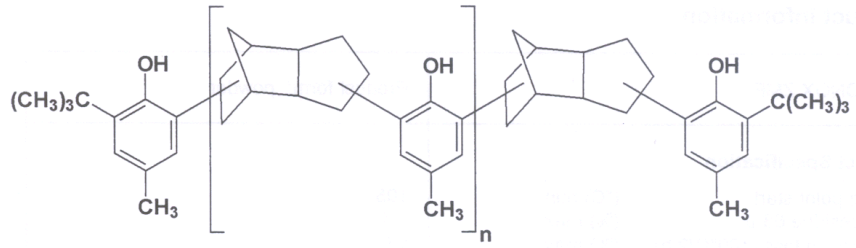
Information on the Ammonia present in the latex
There is Ammonia present in the rubber that comes from rubber trees. A part of this Ammonia is stripped from the latex, but not all of it can be removed, as the rubber otherwise becomes a solid mass which can't be processed.

Chemical info of the Anti-oxidant:

Non-staining Antioxidant

Chemical description:
Steric hindered polyphenol

CAS Reg. No.: 68610-51-5



Behaviour in vulcanization

NAFTONOX ZMP is a highly efficient non-staining antioxidant which cannot be washed out and which is based on a polymeric, steric hindered bisphenol. It is an antioxidant for natural rubber and all synthetic rubbers, less suitable for EPDM, IIR and heat resistant special rubbers.

NAFTONOX ZMP is used for white, light coloured and transparent vulcanizates on natural rubber and all synthetic rubbers and their latices. It protects the vulcanizates against ageing under the action of oxygen and/or heat. The low volatility of NAFTONOX ZMP is especially important, since due to it the loss of antioxidant is extremely low during work, the following vulcanization and with the finished product. The resistance against washing and boiling, when used in latex thread and many latex foam backings, is excellent.